



**For Immediate Release  
May 12, 2010**

TORONTO – May 12, 2010. In partnership with the University of Tennessee Anthropology department, Arius3D is pleased to announce that it has completed the high resolution 3D color digital scanning of a complete human female skeleton.

The University of Tennessee Anthropology Department has long been recognized worldwide for its Forensic Anthropology curriculum and its vast collection of skeletal specimens.

The Anthropology Department once headed by Dr. William M. Bass, founder of the Forensic Anthropology Center, has several valuable skeletal collections including:

- *The William M. Bass Forensic Skeletal Collection*
- *The William Bass Donated Skeletal Collection*
- *The McCormick Osteopathic Collection*

The *William Bass Forensic Skeletal Collection*, contains over 300 skeletal cases that have skeletal elements present. Various types of perimortem trauma are represented in this collection such as gunshot wounds, stabbings and other sharp force injury, and blunt force trauma.

The *William M. Bass Donated Skeletal Collection* started in 1981 and currently contains over 700 individuals. The goal of the body donation program is to build this collection of known individuals for education and research purposes. These individuals are essential for providing education and training in forensic anthropology and skeletal biology for students and law enforcement agencies. They are also invaluable for updating demographics and biological standards.



In early 2005, Arius3D entered into a partnership agreement with the University of Tennessee Forensic Anthropology Center, directed by Dr. Richard Jantz, that provides access to the entire collection in the Anthropology department for digital scanning purposes. Once skeletal collections are scanned using the Arius3D color scanning technology, the resulting 3D data can be used in a variety of educational, visualization, research, and publishing applications.

*“We are excited about our partnership with the University of Tennessee because it allows us to have access to one of the world’s most valuable collection of specimens. What makes this collection so valuable is not only the vast number of specimens in the collection, but the specimens in the William M. Bass Donated Skeletal Collection are of known demographics and allows us to have access to specific ethnic, age, and diseased specimens.”*  
Brian Mori, President and CEO, Arius3D.

Arius3D’s first project was the scanning of a complete male skeleton. The resulting scanned data from this project is the result of approximately 1500 man hours of scanning and creation of 3D color models. The results are considered the highest resolution 3D human skeletal scan in the world. The Arius3D high resolution color scanning technology measures both the geometry and color of bone specimens at a resolution of 100 x 100 microns in the X and Y-axis and 25 microns in the Z-axis. Some of the individual bones such as the skull contain more than 20 million unique individual measurements providing an unprecedented level of detail for scientific examination.

*“One of the difficulties with teaching students about the human skeleton is the shortage of physical skeletal material around the world. Having access to accurate digital skeletal models for teaching purposes changes the way students can learn, and the 3D color digital scans from Arius3D are the next best thing to manipulating the actual specimen.”*  
Dr. Tracy Rogers, Associate Professor, Department of Anthropology, University of Toronto.

Arius3D is currently involved in their next project which involves digitally scanning a collection of various skulls representing different ethnic and age groups including a series of prenatal skulls for research and teaching.

### **About Arius3D**

Arius3D digital 3D Images are used in virtual museums, feature films, video games, education, marketing & advertising, product design and manufacturing.

The Arius3D system and Pointstream imaging software are installed in leading museum and research institutions including The Royal Ontario Museum, The Musée du Louvre, University College London, and Institute of Cultural and Educational, Technology in Xanthi, Greece.

To learn more about Arius3D imaging products and services contact Arius3D at 905-270-7999 or email to [info@arius3d.com](mailto:info@arius3d.com).